



Practitioner's Docket No. 1012-137C1

07-07-04
Jew
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hajduk et al.

Application No.: 10/772,522

Group No.: 2862

Filed: 02/05/2004

Examiner:

For: HIGH THROUGHPUT MECHANICAL PROPERTY TESTING OF MATERIALS
LIBRARIES USING CAPACITANCE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Listings on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of cited references have not been provided due to the waiver of their presence in the parent application. Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application.

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This Information Disclosure Statement is being submitted prior to the mailing of a first Office Action or Notice of Allowance. No fees are believed to be due, however, if any fee is due with the filing of this paper please charge the amount to deposit account 50-0496.

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**INFORMATION DISCLOSURE
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Substitute for form 1449A/PTO		<i>Complete if Known</i>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/772,522	
		Filing Date	02/05/2004	
		First Named Inventor	Damian A. Hajduk et al.	
		Group Art Unit	2862	
		Examiner Name		
Sheet	2	of	3	
			Attorney Docket Number	1012-137C1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	4,740,078			Daendliker et al.	04/26/1988	
	4,749,854			Martens	06/07/1988	
	4,789,236			Hodor et al.	12/06/1988	
	4,793,174			Yau	12/27/1988	
	4,829,837			Telfer	05/16/1989	
	4,893,500			Fink-Jensen	01/16/1990	
	4,899,575			Chu et al.	02/13/1990	
	4,932,270			Lurie et al.	06/12/1990	
	5,008,081			Blau et al.	04/16/1991	
	5,051,239			von der Goltz	09/24/1991	
	5,115,669			Fuller et al.	05/26/1992	
	5,142,900			Duke	09/01/1992	
	5,193,383			Burnham et al.	03/16/1993	
	5,236,998			Lundeen et al.	08/17/1993	
	5,271,266			Eschbach	12/21/1993	
	5,272,912			Katsuzaki	12/28/1993	
	5,280,717			Hoseney et al.	01/25/1994	
	5,303,030			Abraham et al.	04/12/1994	
	5,305,633			Weissenbacher et al.	04/26/1994	
	5,452,619			Kawanabe et al.	09/26/1995	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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		Number	Kind Code ² (if known)			
	6,242,623	B1		Boussie et al.	06/05/2001	
	6,225,487	B1		Guram	05/01/2001	
	6,225,550	B1		Hornbostel et al.	05/01/2001	
	6,248,540	B1		Weinberg et al.	06/19/2001	
	6,260,407	B1		Petro et al.	07/17/2001	
	6,265,601	B1		Guram et al.	07/24/2001	
	6,265,226	B1		Petro et al.	07/24/2001	
	6,268,513	B1		Guram et al.	07/31/2001	
	6,294,388	B1		Petro	09/25/2001	
	6,296,771	B1		Miroslav	10/02/2001	
	6,092,414			Newman	07/25/2000	
	6,050,138			Lynch et al.	04/18/2000	
	6,040,193			Winkler et al.	03/21/2000	
	6,033,913			Morozov et al.	03/07/2000	
	6,010,616			Lewis et al.	01/04/2000	
	5,999,887			Giannakopoulos et al.	12/07/1999	
	5,922,967			Motoyama	07/13/1999	
	5,892,157			Syre	04/06/1999	
	5,877,428			Scolton	03/02/1999	
	5,847,283			Finot et al.	12/08/1998	

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				First Named Inventor	Damian Hajduk et al
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		Number	Kind Code ² (if known)			
	5,776,359			Schultz et al.	07/07/1998	
	5,959,297			Weinberg et al.	09/28/1999	
	5,985,356			Schultz et al.	11/16/1999	
	6,004,617			Schultz et al.	12/21/1999	
	6,013,199			McFarland et al.	01/11/2000	
	6,030,917			Weinberg et al.	02/29/2000	
	6,034,775			McFarland et al.	03/07/2000	
	6,034,240			La Pointe	03/07/2000	
	6,043,363			LaPointe et al.	03/28/2000	
	6,045,671			Wu et al.	04/04/2000	
	6,087,181			Cong	07/11/2000	
	6,124,476			Guram et al.	09/26/2000	
	6,151,123			Nielsen	11/21/2000	
	6,149,882			Guan et al.	11/21/2000	
	6,157,449			Hajduk	12/05/2000	
	6,175,409 B1			Nielsen et al.	01/16/2001	
	6,177,528 B1			LaPointe et al.	01/23/2001	
	6,182,499 B1			McFarland et al.	02/06/2001	
	6,187,164 B1			Warren et al.	02/13/2001	
	6,203,726 B1			Danielson et al.	03/20/2001	

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Part 1: Homeostasis and Thermoregulation (Module 22) | Page 11 of 11

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/772,522
(use as many sheets as necessary)				Filing Date	02/05/2004
				First Named Inventor	Damian A. Hajduk et al.
				Group Art Unit	2862
				Examiner Name	
Sheet 1		of 0		Attorney Docket Number	1012-137C1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989	
		OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systems, Vol. 6, No. 2, June 1997	
		KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.	
		GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.	
		PAN, NING and K.C. Yen, "Physical Interpretations of Curves Obtained Through the Fabric Extraction Process for Handle Measurement," Textile Research Journal 62(5), pp. 279-290 (1992).	
		"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.	
		RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).	
		ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).	

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		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,139 entitled "High Throughput Fabric Handle Screening," (M. Kossuth et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing of Materials," (P. Mansky et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/938,994 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric," (D. Hajduk) filed on August 24, 2001.	
		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000	
		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001	
		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000	

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		U.S. Application Serial No. 09/420,334 entitled " Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
		The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
		TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/772,522
		Filing Date	02/05/2004
		First Named Inventor	Damian A. Hajduk et al.
		Group Art Unit	2862
		Examiner Name	
		Attorney Docket Number	1012-137C1
Sheet	1	of	0

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"DMA 2980 Dynamic Mechanical Analyer," http://www.tainst.com/dma2.html , 12/29/00	
		"Introducing the NEW DMTA V!", http://www.rheometricscientific.com/dmtaV.htm , 12/29/00	
		"Standard Test Method for Rubber Property-International Hardness," American Society for Testing and Materials	
		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.	
		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymers and Their Transitions" TRIP, December 1994, vol. 2, no. 12, pp. 419-425	
		BOWLTH, C., "A Simple Capillary Viscometer" Physics Education, March 1975, vol. 10, no. 2, pp. 102-103	
		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Properties of Thin Polyimide Films" pp. 647-668	
		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films" Journal of Electronic Materials, 1997, vol. 26, no. 7, pp. 852-858	
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).	
		European Search Report dated December 10, 2001	

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